

Part 4 - Operators in Java

I.Objective Type Questions:

1. Which form of Operators are supported in Java?
A) Unary Operators
B) Binary Operators
C) Ternary Operators
D) **All of the above**
2. Which of the following is not a binary operator?
A) /
B) OR
C) **++**
D) =
3. Which of the following is not a valid operator in Java?
A) %
B) --
C) ++
D) **=!**
4. Statement `i = i - 1` is equivalent to
A) `i--`
B) `--i`
C) `i -= 1`
D) **All of the above**
5. Given `z = 4`, the statement `x = ++z + 4` evaluates to
A) 8
B) **9**
C) 10
D) 11
6. Given `num1 = 0`, `num2 = 1` the statement `(num1 < num2) && (num1 > num2)` evaluates to
A) true
B) **false**
C) 1
D) 0
7. Given `num1 = 0`, `num2 = 1` the statement `(num1 < num2) || (num1 > num2)` evaluates to
A) **true**
B) false
C) 1
D) 0

8. Given num1 = 0, num2 = 1 the statement `!(num1 > num2)` evaluates to

A) **true**

B) false

C) 1

D) 0

9. Given num1 = 0, num2 = 1 the statement `!(num1 < num2)` evaluates to

A) true

B) **false**

C) 1

D) 0

10. The expression `19 % 4` evaluates to

A) 2

B) 4

C) **3**

D) 1

11. The expression `19 / 4` evaluates to

A) 2

B) **4**

C) 3

D) 1

12. The statement `System.out.println("One" + 1 + 1);` gives the output

A) One2

B) One1

C) 2One

D) **One11**

13. What is the value of y after evaluating the expression given below?

`y += ++y + y-- + --y;` when `int y = 8.`

A) 32

B) **33**

C) 34

D) 35

14. What is the value of x1 when x=5?

`x1 = ++x - x++ + --x;`

A) 4

B) 5

C) 7

D) **6**

15. What is the result stored in x, after evaluating the following expression?

```
int x = 5;  
x = x++ * 2 + 3 * --x;
```

A) 25

B) 24

C) 23

D) 26

16. What will be the result stored in X after evaluating the following expression?

```
int X = 4;  
X += (X++) + (++X) + X;
```

A) 19

B) 20

C) 21

D) 22

17. Write the Output:

```
char ch= 'A';  
int m=ch;  
m=m+5;  
System.out.println(m + " " + ch);
```

A) 70 A

B) 71 A

C) A70

D) 72 A

18. What is the output of the following program snippet?

```
char x = 'a'; int m;  
m = (x == 'a') ? 'A' : 'a';  
System.out.println("m="+m);
```

A) m=65

B) m=97

C) m='a'

D) m='A'

19. What will be the output of the following code?

```
int k=5, j=9;  
k += k++ - ++j + k;  
System.out.println("k="+k);  
System.out.println("j="+j);
```

- A) k=7 j= 11
- B) k=6 j= 11
- C) k=7 j= 10
- D) k=6 j= 10**

20. What will be the output of the following code?

```
int a = 5;  
a++;  
a -= (a--) - (--a);  
System.out.println(a);
```

- A) 3
- B) 4**
- C) 5
- D) 6

21. An operator taking three operands for its operation is:

- A. A unary operator
- B. A binary operator
- C. A ternary operator**
- D. There is no such operator

22. What is the output of the code snippet?

```
int x = 'a';  
  
System.out.println(x);
```

- A. 'a'
- B. 97**
- C. null
- D. x

23. The expression $8 \% 2 * 3$ evaluates to:

- A. 2
- B. 12
- C. 0**
- D. 48

24. The value of b evaluates to:
`boolean b = (true == false) ? true : false;`

- A. true
- B. false**
- C. null
- D. Runtime error

25. What is the output of the code snippet?

```
char c = (char)65;  
  
System.out.println(c);
```

- A. 65
- B. A**
- C. null
- D. c